



INCRETE STONECRAFT ELEGANCE

SELF-LEVELING, SEAMLESS EPOXY FLOORING SYSTEM

EUCLID CHEMICAL

PACKAGING

Liquid - High Performance Epoxy:
3 gal kit
Dry - 36 lb box

YIELD

80 mils/30 ft²/1 gal 90 ft²/3 gal

APPEARANCE

Dry Powder available in 19
gorgeous colors

CLEAN UP

Clean tools and application
equipment with INCRETE
SOLV-KLEEN, methyl ethyl ketone or
acetone immediately after use. Clean
spills or drips with solvent while
still wet. Dried product will require
mechanical abrasion for removal.

SHELF LIFE

4+ years in original,
unopened containers

BRIEF OVERVIEW

INCRETE STONECRAFT ELEGANCE is a beautiful and durable interior seamless flooring system. Using technology behind solid surface countertops and sinks, this innovative flooring system combines the robustness of a 100% solids, low VOC resin with customized aggregates to deliver a self-leveling, resin-enriched floor that is remarkably easy to apply. INCRETE STONECRAFT ELEGANCE mimics the refined look of terrazzo and polished concrete, but at a fraction of the cost. Transform your space with the beauty and durability of INCRETE STONECRAFT ELEGANCE.

PRODUCT CHARACTERISTICS

ADVANTAGES/FEATURES

- Pre-measured system
- Durable, abrasion resistant
- Low odor
- Multi-dimensional effects
- Highly chemically resistant
- FDA compliant
- Self-leveling properties
- 100% solids, low VOCs
- 19 standard colors
- Custom color availability
- Quick installation/turn around time

COMMON USES

- Restaurants, kitchens, cafeterias
- Retail or commercial floors
- Garages and service areas
- Clean rooms
- Showrooms
- Hotel Lobbies and entryways
- Medical facilities
- Arcades
- Residential
- Education

TECHNICAL INFORMATION

* The following results were developed under laboratory conditions @ 75 °F (24 °C)

Mix Ratio (by Volume)	2:1
Gel Time , 200 g, minutes.....	35 to 45
Pot Life , 3 gal (11.4 L), minutes	15 to 25
Compressive Strength , ASTM D 695 @ 7 days psi (MPa)	6,700 (46.2)
Hardness, Shore D , ASTM D 2240	85 to 90
Bond Strength , ASTM D 4541	Greater than concrete
Water Absorption , ASTM D 570 @ 24 hours.....	<0.5%
Monolithic Surfacing , ASTM C 722	Passes
VOC Content (mixed)	46 g/L
Tack Free , hrs	4 to 5
Abrasion Resistance , ASTM D 4060	32 mg loss
Tensile Strength , ASTM D 638psi (MPa)	5,500 (37.9)
Tensile Elongation , ASTM D 638.....	15 to 30%
Abrasion Resistance , ASTM D 4060	32 mg loss
Flammability , ASTM D 635 Self Extinguishing....	0.75 Max

DIRECTIONS FOR USE (PLEASE REQUEST INSTALLATION GUIDE FOR MORE DETAILS)

SURFACE PREPARATION

The surface must be structurally sound, clean and free of grease, oil, curing compounds, soil, dust and other contaminants. See note in "Precautions/Limitations" section if coating is to be placed over old/existing epoxy or urethane coatings. New concrete and masonry must be at least 28 days old. Surface laitance must be removed. Concrete surfaces must be roughened and made absorptive, preferably by mechanical means, and then thoroughly cleaned of all dust and debris. The Concrete Surface Profile (CSP) should be equal to CSP 2-3 in accordance with Guideline 310.2R-2013, published by the International Concrete Repair Institute (ICRI). Allow substrate to dry before coating application. Following surface preparation, the strength of the surface can be tested if quantitative results are required by project specifications. An elcometer or similar tensile pull tester may be used in accordance with ASTM C1583, and the tensile pull-off strength should be at least 250 psi (1.7 MPa).

Do not apply epoxy or urethane coatings if there is excessive moisture in the concrete, or if the moisture vapor emission rate (MVER) is high. Before application of INCRETE HIGH PERFORMANCE EPOXY (Euclid Chemical's pigmented DURALTEX may also be used), perform either of these tests: ASTM F2170 - Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using In-Situ Probes, or ASTM F1869 - Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride. If the relative humidity is 85% or greater, or the MVER is 3 lbs/1000 ft² /24 hrs or greater, use a moisture mitigation system such as DURAL AQUATIGHT WB. After surface preparation and moisture testing, a test section application is recommended to confirm good adhesion and compatibility of the coating with the surface, and to confirm appearance and aesthetics. When coating steel, all contamination should be removed and the steel surface prepared to a "near white" finish (SSPC SP10) using clean, dry blasting media.

PRIMING

For best results, prime the surface with INCRETE HIGH PERFORMANCE EPOXY. Euclid Chemical recommends that a white or light gray epoxy color be used for this step. Epoxy colors can be found on the INCRETE STANDARD COLOR CHART. The color of your primer base can affect the final color of the surface, particularly when using a light color of INCRETE STONECRAFT ELEGANCE.

Mix INCRETE HIGH PERFORMANCE EPOXY using a low-speed drill and a mixing paddle. Pre-mix Part A and Part B separately for approximately 1 minute each. Combine Part A and Part B in a 2 to 1 ratio by volume, then mix thoroughly for 3 to 5 minutes. Scrape the bottom and sides of containers at least once during mixing. Do not scrape bottom or sides of the container once mixing operations have ceased; doing so may result in unmixed resin or hardener being applied to the substrate. Unmixed resin or hardener will not cure properly. Do not aerate the material during mixing. To keep aeration to a minimum, the recommended mixing paddles are #P1 or #P2 as found in ICRI Guideline 320.5R-2014.

Pour pigmented epoxy primer in ribbons onto the prepared concrete surface. Spread with a squeegee and back roll with a short nap roller to a thickness of 10 mils (roughly 160 sf per gallon). Allow to cure for 12 hours to overnight.

BODYCOAT MIXING AND APPLICATION

Mix INCRETE HIGH PERFORMANCE EPOXY clear (Euclid Chemical's DURALTEX may also be used) using low-speed drill and mixing paddle. Pre-mix Part A and Part B separately for approximately 1 minute each. Combine Part A and Part B in a 2 to 1 ratio by volume, then mix thoroughly for 3 to 5 minutes. Scrape the bottom and sides of containers at least once during mixing. Slowly add the INCRETE STONECRAFT ELEGANCE powder and continue mixing until thoroughly blended. Do not mix more material than can be used in 30 minutes. However, it is suggested that you order and use the 3 gal kit, as each unit of INCRETE STONECRAFT ELEGANCE powder is weighed and packaged to be mixed with 3 gallons of epoxy. IMPORTANT: make sure your mixing vessel is large enough to hold all materials when mixed. The 5 gallon bucket that contains the 3 gallons of INCRETE HIGH PERFORMANCE EPOXY is NOT large enough.

Apply mixed slurry using Kraft Tool 3/8" V-notched metal rake (or similar instrument). This will yield 20-30 sf per gallon and roughly 80 mils dry film thickness. Allow to self-level and backroll with a Metal Spiny Roller. Keep a wet edge at all times.

Kraft Tool 18 inch 3/8" V-notched rake (part # GG592-0) is available at www.krafttool.com and 9" (48090) or 18" (48091) Spiny Spike Roller is available at Seymour Midwest.

Spike shoes should be worn to minimize marks in the finished floor. Allow material to cure for 16 hours at 70 degrees F.

DIRECTIONS FOR USE CONT.

URETHANE TOP COAT

After the INCRETE STONECRAFT ELEGANCE body coat has cured, any imperfections can be removed by lightly sanding the surface. Clean the surface thoroughly in preparation for the urethane top coat. INCRETE URETHANE (or Euclid Chemical's EUCOTHANE) can be used, however, as a solvent based product, adequate ventilation must be provided. A better solution in most cases is to use INCRETE WATER BASED URETHANE for a gloss finish, or TAMMOSHIELD MATTE for a low/to no gloss finish. Specific installation guides can be found on the product's TDS.

PRECAUTIONS/LIMITATIONS

- INCRETE STONECRAFT ELEGANCE floors can create unique effects, but while the process is simple, some practice is required to develop the best application techniques.
- The use of non pigmented primer, or the color chosen for your primer coat may affect final color of INCRETE STONECRAFT ELEGANCE - particularly with lighter colors.
- Do not mix or apply unless surface, air and material temperatures are 50 °F (10 °C) and rising.
- Do not apply Increte STONECRAFT ELEGANCE to floors if there is moisture vapor drive or hydrostatic pressure.
- INCRETE STONECRAFT ELEGANCE pigments are not designed for direct exposure to UV light. Colors may fade if exposed to direct sunlight. Check with your Euclid Chemical representative for UV safe alternatives.
- Epoxy may yellow upon prolonged exposure to sunlight or high-intensity artificial lights. A urethane topcoat is highly recommended for improved color stability.
- Although epoxy coatings are chemically resistant, the surface may stain after contact with some chemicals. A urethane coating is highly recommended to protect the surface.
- For professional use only
- In all cases, consult the Safety Data Sheet before use.

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